

PLENARY SPEAKER

Monday, October 2nd, 14:30 - 15:30

Main Auditorium



Prof. Jackie Y. Ying, *Institute of Bioengineering and Nanotechnology, Singapore.*

Jackie Y. Ying received her B.E. and Ph.D. from The Cooper Union and Princeton University, respectively. She joined the faculty at Massachusetts Institute of Technology in 1992, where she was Professor of Chemical Engineering until 2005. She has been the Founding Executive Director of the Institute of Bioengineering and Nanotechnology in Singapore since 2003. For her research on nanostructured materials, Prof. Ying has been recognized with the American Ceramic Society Ross C. Purdy Award, David and Lucile Packard Fellowship, Office of Naval Research Young Investigator Award, National Science Foundation Young Investigator Award, Camille Dreyfus Teacher-Scholar Award, American Chemical Society Faculty Fellowship Award in Solid-State Chemistry, Technology Review's Inaugural TR100 Young Innovator Award, American Institute of Chemical Engineers (AIChE) Allan P. Colburn Award, Singapore National Institute of Chemistry-BASF Award in Materials Chemistry, Wall Street Journal Asia's Asian Innovation Silver Award, International Union of Biochemistry and Molecular Biology Jubilee Medal, Materials Research Society Fellowship, Royal Society of Chemistry Fellowship, Crown Prince Grand Prize in the Brunei Creative, Innovative Product and Technological Advancement (CIPTA) Award, American Institute for Medical and Biological Engineering Fellowship, Academy of Sciences of Iran Medal of Honor, American Association for the Advancement of Science Fellowship, Islamic World Academy of Sciences-COMSTECH Ibrahim Memorial Award, Singapore National Academy of Science Fellowship, The Cooper Union Alumni Association Gano Dunn Award, The Cooper Union Alumni Hall of Fame, and Abdeali Tayebali Lifetime Achievement Award.

Prof. Ying was elected a World Economic Forum Young Global Leader, and a member of the German National Academy of Sciences, Leopoldina. Named one of the "One Hundred Engineers of the Modern Era" by AIChE in its Centennial Celebration. She was selected by The Muslim 500 in 2012, 2013, 2014, 2015, 2016 and 2017 to be one of the world's 500 most influential Muslims. She was selected as an Inaugural Inductee for the Singapore Women's Hall of Fame in 2014. She was the inaugural winner of the Mustafa Prize "Top Scientific Achievement Award" in 2015 for her research in bio-nanotechnology. The laureate of this science and technology award receives a certificate, an engraved medal and US\$500,000 in prize money. She is the Editor-in-Chief of Nano Today, which has an impact factor of 17.476.